

QUARTERLY UPDATE

FOR JULY 1993 THROUGH SEPTEMBER 1993

DECONTAMINATION FACILITIES
903A PAD AND PA PAD

PREPARED BY

ENVIRONMENTAL RESTORATION
FACILITIES OPERATIONS MANAGEMENT

EG&G ROCKY FLATS, INC

September 29, 1993

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INTRODUCTION

The Decontamination Facilities are designed to decontaminate field equipment to prevent cross contamination between sample retrieval sites and provide a mechanism to clean equipment for meeting data quality objectives. Decontamination facilities support environmental restoration activities performing RFI/RI and remedial action field work for operable units on plant site in accordance with the Interagency Agreement (IAG). There are two decontamination facilities at the Rocky Flats Plant. The Main Decontamination Facility (MDF) also known as the 903A Pad is located at the east end of the environmental contractor's yard and the other is in the Protected Area, called the Protected Area Decontamination Facility (PADF).

The PADF is presently in operation, however it is not supporting any environmental activities at this time. It is anticipated to begin support next quarter. Daily inspections are still being conducted per the EMD Operating Procedures, FO.12 Equipment Decontamination Pad Daily Inspection Checklist.

A training program is being developed for all decon facility users. Upon completion of the training, which includes On-the-Job training, a qualification badge will be issued to the user. This will provide a more efficient tracking system as well as a comprehensive training program of qualified decon facility users.

Golder Associates, Inc. was awarded the contract to operate and maintain the decon facilities under the Master Task Subcontract (MTS) award, Area 8. The training and transition period from Woodward-Clyde Federal Services to Golder Associates transpired the month of August.

REPORTS/CORRESPONDENCE

FO.12, Rev. 2, Decontamination Operation has been revised and internally reviewed. Currently it has been submitted to DOE for distribution to the agencies. It was requested to have the changes by October 20, 1993.

A Contingency Plan was written for the Decontamination Facility. The Plan has been approved and was distributed accordingly.

The revised Waste Stream and Residue Identification and Characterization (WSRIC) for both facilities is complete. The MDF is called Building 903A for WSRIC identification purposes. To date, a number has not been assigned to the PADF.

The Quarterly report due July 23, 1993, was submitted to DOE in

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fulfillment of external milestone.

SAMPLES

Attached is a list of all samples taken during the last quarter. DWXXXXXGA indicates sampling of the decon water. SDXXXXXGA indicates a sample taken from the sediment/soil drums located northeast of the 903A Pad. Tanks 1-5 are the MDF tanks, and 6-10 belong to the PADF.

The sediment/soil was taken from the sump and put into gray 55 gallon drums. Samples were taken in association with each drum filled. The drums were then transferred to unit 18.03 (tent 1) pending characterization.

A full suite of sediment/soil results are finally being obtained from the EG&G approved laboratory. A preliminary study has been conducted of the lab results and have indicated that there are no RCRA D-List analytes that exceed regulated levels. This includes metals, organic compounds, and herbicides/pesticides. It is only a preliminary study because not all of the data has been verified by the laboratory.

PROBLEMS/MAINTENANCE

An electric steam cleaner with a propane powered burner has been ordered. It was determined that this would solve fuel spillage and eliminate some of the pollutant air emissions. A work control form was submitted to install the equipment. Electrical services at the facility were complete in June, therefore the installation of the steam cleaner should be an uncomplicated task. Ferrell gas will install the propane line going to the steam cleaner.

The temporary decontamination facility is in dyer need of repairs to the liner and existing equipment. A separate work package is in place for modifications to the facility.

ANTICIPATED OPERATIONS FOR NEXT QUARTER

PADF support will be given to the OU4 Solar Pond Project in October. They will be drilling for approximately 1 month.

It is anticipated to begin support to the Integrated OU's when the project starts. It is not known at this time how much the decon facility will be utilized for this project.

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various areas on plant site, including the buffer zone. Efforts are being emphasized on drum movement due to the upcoming winter season and the lag in drilling operations.

ENVIRONMENTAL COMPLIANCE

Daily RCRA inspections are conducted at the MDF. Guidance has finally been given towards the permitting issue of the Remedial Action Decontamination Pad (RADP). The MDF is titled the RADP in the Revised Part A Application. Many issues were raised during the re-evaluation of removing the RADP from the Part A Application regarding the Resource Conservation and Recovery Act (RCRA) regulation. A response to the issues raised was submitted by Waste Programs. It was recommended to remove the RADP from the Part A Application unless Environmental Restoration is planning activities that would significantly increase hazardous constituents in the decon water, . This recommendation was primarily based on two years of analytical data. Removing the RADP from the permit would also resolve the secondary containment issues.

SUMMARY/CONCLUSIONS

Golder Associates is operating and maintaining the decontamination facility. Several audits were conducted during the transition of Golder. A strong emphasis was placed on appropriate training, record keeping, health and safety practice, and following procedures to maintain environmental compliance. There were no significant findings.

A letter is being submitted to DOE, requesting the removal of the RADP from the Part A Application. It is anticipated to have the letter to DOE by October 2, 1993.

The MDF and the PADF are not supporting any drilling activities at this time. Currently the MDF is being utilized to decontaminate mouse traps and for the disposal of purge water.

SAMPLE IDENTIFICATION NUMBERS (DECON WATER)

QUARTER 3 (JULY 1 THROUGH SEPTEMBER 30)

SAMPLE #	TANK #	SAMPLE DATE	ANALYSIS TYPE	SUITE SHIP	LABS	MDF/PADF
DW00116WC	2	07/06/93	INORGANICS/ORGANICS RADS GROSS ALPHA/BETA PU/AM	07/07/93 07/07/93	RFWG TMAN	MDF
DW00117WC	3	07/20/93	INORGANICS/ORGANICS RADS GROSS ALPHA/BETA	07/21/93 07/21/93	RFWG TMAN	MDF
DW00118WC	3	07/20/93	INORGANICS/ORGANICS RADS GROSS ALPHA/BETA	07/21/93 07/21/93	RFWG TMAN	MDF
DW00119WC	5	08/10/93	INORGANICS/ORGANICS RADS GROSS ALPHA/BETA	08/11/93 08/11/93	RFWG TMAN	MDF
DW00120WC	2	08/19/93	INORGANICS/ORGANICS RADS GROSS ALPHA/BETA	08/20/93 08/20/93	RFWG TMAN	MDF
DW00002GA	3	09/13/93	INORGANICS/ORGANICS RADS GROSS ALPHA/BETA	09/14/93 09/14/93	RFWG TMAN	MDF
DW00003GA	4	09/13/93	INORGANICS/ORGANICS RADS GROSS ALPHA/BETA	09/14/93 09/14/93	RFWG TMAN	MDF
DW00201GA	10	09/20/93	INORGANICS/ORGANICS RADS GROSS ALPHA/BETA	09/21/93 09/21/93	RFWG TMAN	PADF
DW00004GA	1	09/23/93	INORGANICS/ORGANICS RADS GROSS ALPHA/BETA	09/24/93 09/24/93	RFWG TMAN	MDF

SAMPLE IDENTIFICATION NUMBERS (SUMP SEDIMENT)

QUARTER 3 (JULY 1 THROUGH SEPTEMBER 30)

SAMPLE #	DRUM #'S	SAMPLE DATE	ANALYSIS TYPE	SUITE SHIP	LABS	MDF/PADF
SD65042WC	3812,3806,3756, 3807,3925,3810, 3811	07/06/93	INORGANICS/ORGANICS RADS PU/AM/U	07/07/93 07/07/93	ITLSL TMAN	MDF
SD65043WC	3820,3821,3823, 3825,3932,3934, 3935	07/20/93	INORGANICS/ORGANICS RADS PU/AM/U	07/21/93 07/21/93	ITLSL TMAN	MDF
SD65044WC	3820,3821,3823, 3825,3932,3934, 3935	07/20/93	INORGANICS/ORGANICS RADS PU/AM/U	07/21/93 07/21/93	ITLSL TMAN	MDF
SD65045WC	3987,3988,3989, 3990,3991,3992, 3993	08/03/93	INORGANICS/ORGANICS RADS PU/AM/U	08/04/93 08/04/93	ITLSL TMAN	MDF
SD00001GA	3986,3994,3995, 3996,3997,3998, 3999,4000	08/26/93	INORGANICS/ORGANICS RADS PU/AM/U	08/27/93 08/27/93	ITLSL TMAN	MDF
SD00002GA	4001,4002,4003, 4004,4005	09/07/93	INORGANICS/ORGANICS RADS PU/AM/U	09/10/93 09/10/93	ITLSL TMAN	MDF
SD00003GA	4322,4324,4327, 4328,4331,4332, 4335	09/15/93	INORGANICS/ORGANICS RADS PU/AM/U	09/16/93 09/16/93	ITLSL TMAN	MDF